

OtagoNet Brand Strengthened

The recent renaming of Electricity Southland Ltd as OtagoNet Limited has strengthened the OtagoNet brand.

The OtagoNet Joint Venture (OJV) is the major electricity network services provider for most of Otago - covering an area from St Bathans in Central Otago to Chaslands in Southland and inland from the Blue Mountains in West Otago to Shag Point on Otago's east coast. Formed in 2002, the joint venture owns, maintains and manages electricity network assets that include power poles, underground power cables, transformers and substations.

Electricity Southland Ltd (ESL) operates in the growth area of Frankton, Queenstown Lakes, where there is a huge amount of development and building work going on. Its rebrand as OtagoNet has consolidated the management of ESL and OJV - both share the same governance group and shareholding structure (75.1% owned by The Power Company Ltd and 24.9% by Electricity Invercargill Ltd). Alan Harper is chair of the Governance Group, with Ross Smith, Duncan Fea and Doug Fraser as board members.

The move to rename ESL consolidates the governance, ownership and management structure of OtagoNet and strengthens its brand across Otago. It brings the total assets under the OtagoNet umbrella to \$175 million.

PowerNet manages the OtagoNet networks and is responsible for keeping the infrastructure in excellent shape. Continuing to improve the safety, reliability and security of electricity supply and ensuring a robust infrastructure that supports regional growth are key drivers for the future work programmes.

It's Busy in Frankton

Peak Power Services contractors working on behalf of OtagoNet are busy on subdivision developments and building projects in the Frankton area.

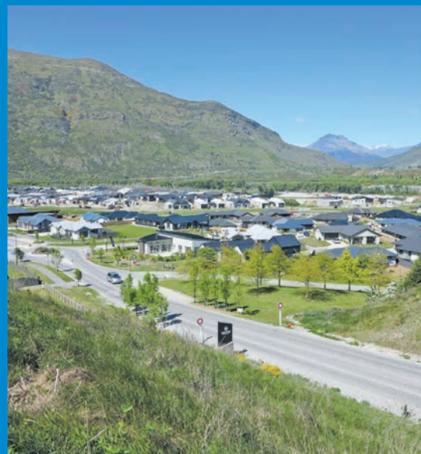
At the Shotover Country subdivision, cabling work for stages 11 (49 sections) and 12 (42 sections) is finished and work starts soon on the electricity reticulation for stage 13 (47 sections). With the capacity for up to 900 houses, the subdivision will also include a childcare and shopping centre.

A new Wakatipu High School is scheduled to open in the Remarkables Park zone in 2018. Equipment installation work is already underway for this project, with the transformer being installed early next year.

The team will also be installing cabling and equipment for a new hotel and apartment block in the Remarkables Park zone, with construction starting in the next few months.

Cabling and equipment installation for the 42-section Lakes Edge subdivision is now finished. Cabling work continues at the 139-section Bridesdale Farm subdivision.

The team is also supplying cabling and installing equipment for Northlake, a major residential development at Wanaka.



Shotover Country



Work commences on the project to construct the new Wakatipu High School



Bridesdale Farm reticulation



Who is PowerNet Limited?

Since 1994, PowerNet has led the way in electricity network management.

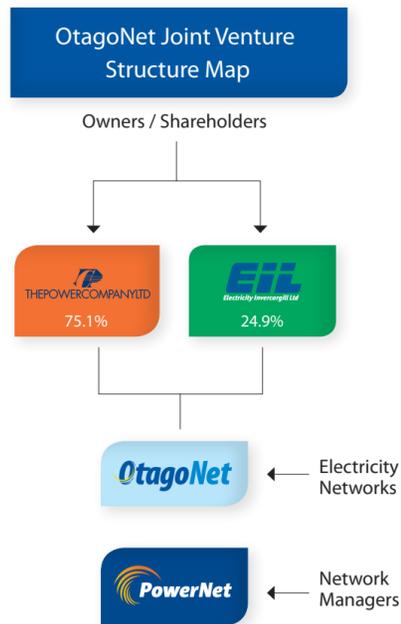
The company builds, maintains and manages networks on behalf of network owners in Southland, most of rural Otago, the Frankton region and Stewart Island.

The total Regulatory Value of the networks managed is \$546 million with 14,204kms of lines and cables, 73 Zone substations and 15,848 transformers. The managed networks deliver electricity to over 68,700 customers. The managed networks represent diverse topography, climate zones, customer density, technical design and equipment.

The total energy conveyed through the PowerNet managed networks is 1,494 GWh, with a maximum demand of 270 MW.

PowerNet employs 267 staff who work from offices and depots in Invercargill, Winton, Lumsden, Frankton, Te Anau, Gore, Palmerston, Ranfurly, Balclutha and Stewart Island.

PowerNet also manages an on-site 24/7 faults call centre from its System Control based in Invercargill.



OtagoNet Servicing Major New Residential Development

OtagoNet is supplying power and equipment to a new major residential development in Wanaka.

Starting this month, Peak Power Services contractors will be installing equipment and cabling to supply a safe, efficient and reliable power supply to Northlake, a new residential development situated at the Lake Wanaka outlet.

The initial work will be to service the 116 sections that comprise the first three stages of the project. A total of approximately 1650 lots are expected to be included in the development, which also includes a village centre.

The Northlake development represents OtagoNet's first major project in the Wanaka area. The development will be connected as an embedded electricity network taking 11kV supply from the Aurora Energy network.

"This region is a significant growth area for the work that PowerNet does across the south. We're really pleased to be involved in supplying a safe, efficient and reliable power supply for this major residential development," says PowerNet's Frankton operations (distribution) project manager, Chris Way.

Clydevale Substation Upgraded

An upgrade of the Clydevale substation means increased power capacity for the Clydevale area.

"Due to changes in farming patterns including more dairying, the electricity load in the Clydevale region has increased significantly and this meant the existing capacity was insufficient to supply increased demand," says project manager, Raji Seraratne.

"Surrounding areas will also benefit from the increased capability in backup power supply if a fault occurs," says Raji.

The Manse Street substation's 2.5MVA transformer was replaced with a new ABB 5MVA transformer, doubling capacity. The substation now has four outgoing 11kV feeders rather than three.



The 5MVA transformer being lifted on-site

AED Gifted in Community Donation

H & J Smith at Remarkables Park, Queenstown, is the latest workplace to benefit from the donation of an automated external defibrillator (AED) from OtagoNet owners, The Power Company Limited and Electricity Invercargill Limited.

The defibrillator was donated to the store in early November.

This latest donation is one of seven made to southern communities as part of a three-year sponsorship agreement between PowerNet and St John. The sponsorship agreement includes the annual gift of AEDs to communities on behalf of electricity network owners Electricity Invercargill Limited and The Power Company Limited.

"On behalf of our electricity owners we're proud to be able to make these donations that will help to save lives," says PowerNet's chief information officer, Tim Brown.

Staff at locations where AEDs have been donated are also offered first-aid training on how to use the life-saving machines that treat sudden cardiac arrest.

If you have any concerns about our service please call us on 03 2111899 and we will be pleased to help - we have a free internal complaints process. If we are unable to resolve your concern you can contact the free and independent Utilities Disputes Limited on 0800 22 33 40 (www.utilitiesdisputes.co.nz)



Jason Franklin (PowerNet Chief Executive), Tanya Wallace (H & J Smith Store Manager Remarkables Park), Kent France (St John Commercial and Partnerships Manager) and Keith Raymond (St John Station Manager)

Boosting Capacity at Danone Nutricia

The need for increased electricity capacity at the Danone Nutricia milk powder manufacturing plant near Clydevale in South Otago required an upgrade of the plant's dedicated Greenfield substation.

An additional 1000kVA transformer was installed at the plant to bring the total number of on-site transformers to three. At the substation a 33kV Ring Main Unit (RMU) was installed and a 300kVA transformer replaced with a 500kVA transformer.

PowerNet power systems technician, Phil Ramage, says the changeover to live the new system meant shutting down the plant on a Sunday and required clockwork like coordination from PowerNet staff, Danone staff and contract electricians.

"We shut off power to the plant at 7am. We were able to get the substation connected up and all cables livened without a hitch. It was a very productive 12-hour stint."



The weatherproof housing for the indoor 33kV Ring Main Unit

OtagoNet Network Statistics – as at 31 March 2016

Connected Consumers – Total	15,440
Residential Consumers	11,686
Industrial Consumers	61
Commercial Consumers	3,693
Network Length	4,664 km
Consumer Density	3.3 consumers/km
Number of Distribution Transformers	4,305
Maximum Demand	69.2 MW
Total Energy Conveyed	452.2 GWh
Regulatory Value	\$159 million

We're just a phone call away

We're always working to improve the reliability of OtagoNet's network. This means far fewer power outages - but occasionally they still happen.

The 0800 number puts you directly in touch with PowerNet's System Control which has immediate access to our line staff working in the community. System Control operates 24 hours a day, 7 days a week.

System Control is happy to talk directly to network customers when a power outage happens, so there's no need to contact the electricity retailer. The faster that System Control gets accurate information when there's a power outage, the quicker we'll get the power back on.

Power Issues?

Call **PowerNet** on
0800 808 587

